EN

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SAFETY PRECAUTIONS
This Display was designed and constructed in accordance with the rules of good manufacturing practice and in respect of European directives 89/336/CEE, 73/23/CEE amended by directive 93/68/CEE as regards safety and the elimination of radio interference. Follow the instructions and take the operating precautions indicated; incorrect use of the equipment could result in a fire or a risk of electrocution.

Power supply:
The device was constructed in accordance with the Class 1 safety standard; it is to be connected to a 115V~ or 230V~ power supply network and an efficient grounding system, by means of the power cable provided or another certified, equivalent one, suitable for the country in which it is to be used.
Do not use the device if there is no mains socket compliant to the rules and equipped with a ground connection.
Take care not to damage the power cable and make sure that it is not trapped, trodden on, cut or torn.

To power off the device completely, detach the power cable from the power socket.

Weight:
Two engineers are required to transport and install the device.

WARNING:
We recommend you install the device using exclusively the relevant accessories and following the instructions given in the relevant chapters.
A precarious installation, carried out without using the standard accessories, may result in the device being dropped, with consequent serious damage to it, a risk of fire and a risk of injury to persons.

Location: the device is to be used in indoor environments. Avoid exposing it to the damp, frost, rain and corrosive agents.
If the difference in temperature between the place of origin of the device and the installation site is very high, make sure you wait for at least 15 minutes before turning it on for the first time, to avoid condensation problems.
Ensure that the device receives adequate ventilation and do not block the airing slots.
Do not place near heat sources and maintain a distance of at least 10 cm from other electrical devices.

In case of:

- Dropping or overturning
- Immersion in liquids, penetration of liquids or exposure to high degree of damp or condensation;
- Damage caused by shock;
- Damage to network connector or power cable;
- Marked deterioration in performance or fault;

Do not turn on the device, and send it to an authorized Service Centre.

Never open the device under any circumstances; if a fault occurs or maintenance is required, call the Authorized Services, who guarantee the use of original spare parts and maintenance of the original quality and security standards. The device contains no spare parts of internal regulating points that can be handled by the user. The replacement of parts present in the device, on which its safety is based, with non-original spare parts, may cause a risk of fire and result in a deterioration in its performance.

Electromagnetic Compatibility (Radio interference)

The device was constructed in accordance with European directive 89/336/CEE. The verification was made by carrying out the tests indicated by the standards listed below:

EN 55020:1994+A11:1996+A12:1999+A13:1999+A14:1999
EN 61000-3-2:1995+A1:1998+A2:1998+A14:2000
EN 61000-3-3:1995
EN 55013:1990+A12:1994+A13:1996+A14:1999
EN 55024:1998
EN 55022:1998+A1:2000

Conformity with National rules

Monitor equipped with a TV receiver assembled in the EEC in respect of the provisions laid down in art. 1 of M.D. 26-03-1992 and M.D. 28-08-1995, number 548.

Environmental precautions:
Each device is equipped with a battery-powered remote control. We recommend you do not dispose of the used batteries directly into the environment but in the special containers, in accordance with the local regulations in force.
If the device is dropped and the light emitting panel is consequently broken, send the device in its original package to a Service Centre, which will dispose of the broken panel.
Do not dispose of the packaging in the environment, keep it for when the device has to be moved as it requires maximum protection against knocks and mechanical stress along its front axis.

Fuse capacity:
This Display was designed to operate from 115V~ to 230V~ under the protection of an fuse.

General warnings:

The light emitted by the panel decreases gradually during use in the long term. We recommend you avoid viewing static pictures for long periods. Otherwise, the phosphors could become “imprinted” on given areas of the panel (this is called a phosphor burn).
This event is not covered by the guarantee

The panel used for the display is made up of tiny light emitting cells. Although the quality of the panel is guaranteed by the manufacturers for more than 99.99% of active cells, there could be some cells that produce no light or remain always lit.

Height:
The panel works normally within the 2000 meters of altitude. Beyond such quota problems can be introduced work them.

CAUTION
The information and characteristics specified in this manual may vary without notice. The manufacturers decline all liability for any damages deriving from omissions in the information contained in it

OPERATING TIPS:

For comfortable viewing, sit at a distance equivalent to three times the width of the screen: sitting too close may lead to eye fatigue.

Avoid viewing static pictures for a long time on the screen, especially if bright, to avoid damaging the phosphors which could cause burns on the screen.
If you have to view this kind of picture (for example, lists of information for the public, trade marks, luminous windows, etc., etc.,) we recommend you set the brightness and contrast to a minimum.

ATTENTION
Conserve the guarantee label that filler the model of the display for being able to communicate it to the Servicing in case of breakdown of the device.

INSTALLATION

This display was designed to be fixed to the wall by means of special supports or rested on a table (optional).

Various types of support are therefore available second the specific requirements:

- Wall mount (fixed)
- To balancing wall
- To suspension
- In support on table, with base
- In support on table, with feet

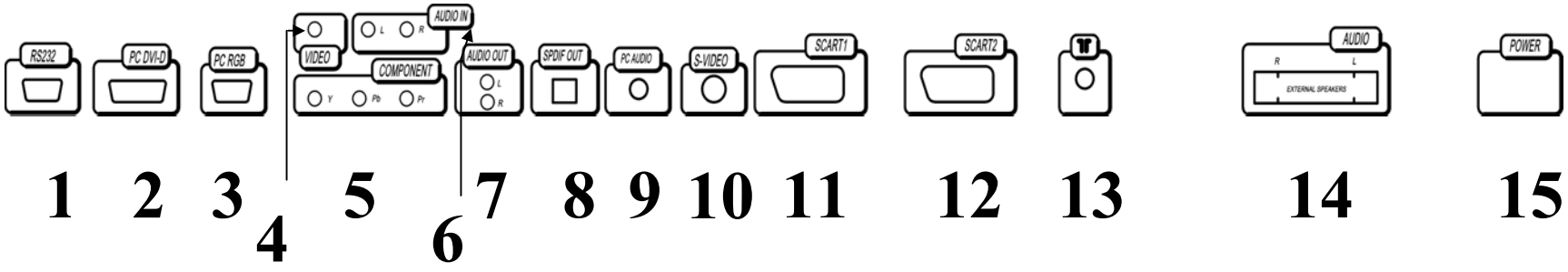
The assembly specifications and instructions for the various types of assembly are provided with the supports themselves. Two engineers are required to transport and install the device.

POWER ON

1. Connect terrestrial antenna cable.
2. Connect AC cable.
3. Switch on TV.OSD will appear with First-choice menu.
4. Use PRG-/PRG+ button to select correct Nation and press MENU to confirm.
5. Channell-search menu will appear.
6. Select START and press MENU.TV will start to search and store automatically all available stations. This operation will take a couple of minutes.
7. To modify channels positions refer to section TV SETUP.

WARNING:

We recommend you install the device using exclusively its own accessories and scrupulously following the instructions given in the specific chapters.
A precarious installation, carried out without using the standard accessories, may result in the device being dropped, with consequent serious damage to it, a risk of fire and a risk of injury to persons.



DESCRIZIONE DELLE CONNESSIONI DISPONIBILI	
1 - RS232	Used to control all the monitor functions using a standard RS 232 connection.
2 - PC DVI-D	Standard DVI connector (Digital RGB-PC input).
3 - PC RGB	Standard connector (analog RGB-PC input) of 15-pin D-SUB type.
4 - Video	Connector RCA input video
5 - Component	3 RCA connectors Y, Pb, Pr input/ / Y, Cb, Cr.
6 - Audio	2 RCA audio connectors for left and right audio input Video / S-Video / Component.
7 - Audio out	2 RCA audio connectors for left and right audio output.
8 - Audio out Ottico-digitale	SPDIF connector for output opticaldigitale
9 - AUDIO PC DVI/RGB	1 Jack 3.5 mm for left and right channel for PC DVI input (or PC RGB input).
10 - S-video	Connector S-VHS
11 - Scart1	21-pole SCART audio/video connector. (RGB SCART)
12 - Scart2	21-pole SCART audio/video connector.
13 - TV	Coaxial socket for connecting the terrestrial TV antenna.
14 - EXTERNAL SPEAKERS	4-pin terminal board. Output power 7+7Wrms 8 Ohms.
15 - Main connector	IEC/CEE222 type plug, to be connected to the mains using the power cable provided.

Connecting cables

Having set up the device, proceed to make the various input signal connections :

TV ANTENNA :	Terrestrial antenna cable connector (13)
PC DVI :	Connector for DVI-D signals at input (2), AUDIO signals at input (9).
PC RGB :	PC VGA connector at input (3), PC AUDIO at input (9)
Component1:	RCA (Y,Pb,Pr) connectors (5) with RCA AUDIO connectors at input .(6)
S-VIDEO:	S-Video connector (10) with RCA AUDIO connectors at input .(6)
Scart 1*:	SCART connector at input (11)
Scart 2**:	SCART connector at input (12)
AV:	RCA connector (4) with RCA AUDIO connectors at input .(6)
RS232 :	9-pin serial connector at input (1)
External audio :	External speaker connection via terminal board (14)
Power cable :	Connector for mains cable (15)
Audio out:	Preamplifiied RCA AUDIO connectors (7).
Audio out optical	SPDIF connector for output optical digital

Turn on the monitor at the ON/OFF switch. Press “M or ↵ “ key from local keyboard or the TV/Video key from IR remote to select the desired input.
If there is no valid input signal, the “no signal” indication will appear on the screen.

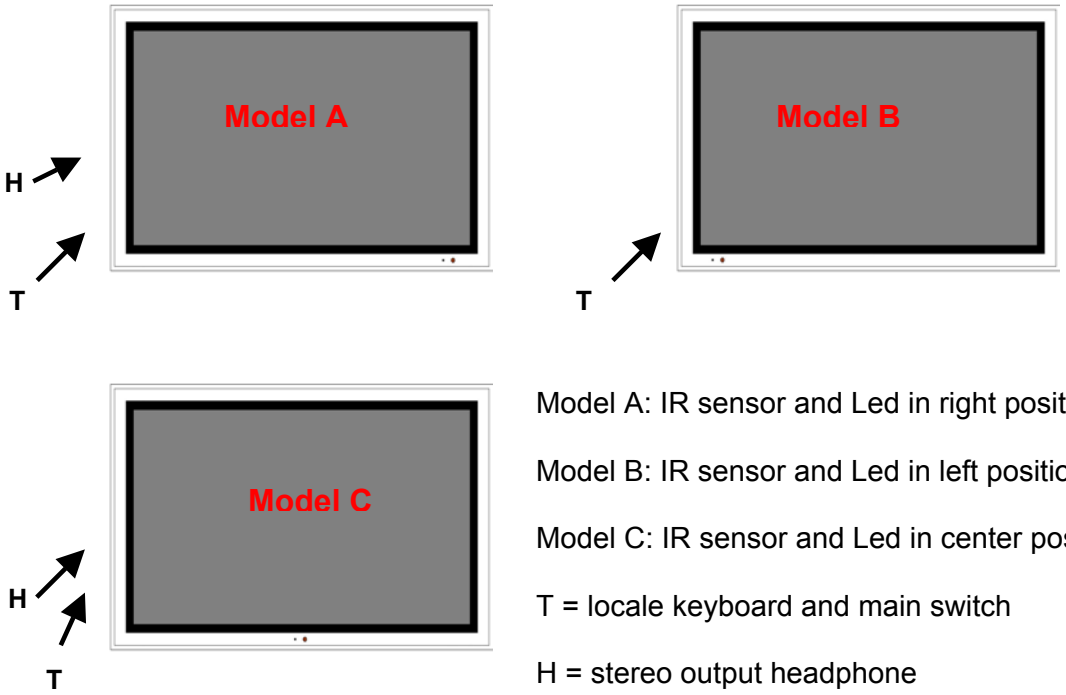
Controlling the monitor from the remote control

The remote control provided may be used to perform all television functions.
Once you have entered the OSD menu, if no buttons are pressed for 25 seconds, the menu will be disabled automatically.
When in STAND-BY mode, the monitor can be turned back on from the local control keyboard (“M or ↵” button) or using the Power button on the remote control.

*Scart 1 video output is always connected to TV source.
**Scart 2 video output is connected to active source.

LOCAL KEYBOARD

The positioning of the locale keyboard, sensor IR (infrared) and of the led of signalling-state can change to second of the model (making reference the interest model)



Model A: IR sensor and Led in right position

Model B: IR sensor and Led in left position

Model C: IR sensor and Led in center position

T = locale keyboard and main switch

H = stereo output headphone

BUTTON FUNCTIONS

Main switch :

Switch on and switch off monitor.

M o ↵ :

From STAND-BY mode, it turns on the monitor.
From standard working mode it change input signal.

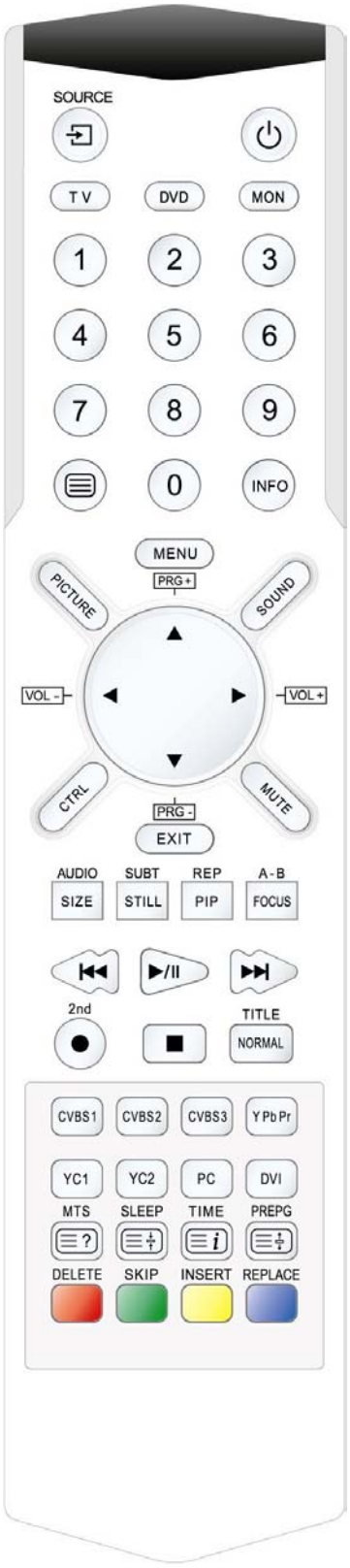
+ / - :

Increases or decreases the volume (showing a volume control bar on the screen).

▲ / ▼ :

Used to change channel (up or down).

Description of remote control buttons



POWER	**Power on / off.**
MUTE	**Turns off the volume. Press again to restore initial value**
SOURCE	**Selects inputs**
TV	**Enable TV mode on remote control**
DVD	**Not active. Switch remote control in DVD mode. Press TV to return Tv mode**
MON	**Not active. Switch remote control in MONITOR mode. Press TV to return Tv mode**
SIZE	**Video size**
PIP	**Enables/change PIP mode (Picture in Picture)**
NUMBER BUTTONS	**Used for direct access to TV channels**
TTX	**Teletext (ON/MIX/OFF)**
PREPG	**TV mode :Previous TV program selected PIP mode: Swap sources**
MENU	**Access to the menu**
EXIT	**Exits from menus or submenus**
PRG +	**Next TV channel**
PRG -	**Previous TV channel**
VOL +	**Raises volume**
VOL -	**Lowers volume**
MTS	**TV - Selects audio channel (sec 6.4)**
INFO	**Information about source**
PICTURE	**Select different pictures settings**
STILL	**Still picture**
FOCUS	**PIP mode: select audio source primary/secondary**
SOUND	**Sound mode**
SLEEP	**Selects auto power-off time**
TIME	**Shows current time**
CTRL	**Video/TV – Regulates Brightness contrast, saturation, sharpness VGA - Regulates Brightness, Contrast**
DELETE(RED)	**TXT: previous page**
SKIP(GREEN)	**TXT: next page**
INSERT(YELLOW)	**TXT: next chapter**
REPLACE(BLUE)	**TXT: next theme**

BASIC OPERATIONS

Switch on TV pushing ON/OFF main switch. Wait few seconds. NOTE ! This TV set maintain in memory the latest working status detected before the Power off. If switched OFF when in STAND-BY mode (Red Led), once switched ON, it will power up again in STAND-BY mode and it will be necessary to push the "Power" key of IR remote or or "M or ↵" button on the local keyboard to display the image. If, instead, the unit will be switched off by the mains switch in a working condition (Green Led), once switched on again, the unit will restart in the same condition.

Diagnostic Led (front)

RED LED	⇨ ST-BY
GREEN LED ON STEADY	⇨ WORKING
GREEN LED BLINKING	⇨ LACK OF INPUT SIGNAL CONNECTION

Selecting TV programs

1. Make sure that the monitor is in TV mode (press the TV/VIDEO button on the remote control or the "M or ↵" button on the local keyboard)
2. Use the (▲),(▼) buttons on the remote control or (►) , (◄) on the local keyboard or a number button to change the television program selection.
3. NOTE: The "PREPG" button on the remote control can also be used to return to the latest television program selected.

Volume

Use the (►),(◄) button on the remote control or (**+**),(**-**) on the local keyboard to regulate the volume as desired.
Press the "MUTE" button on the remote control to turn the sound completely off or on again.

Searching for and setting new TV channels

Press "SET" on the remote control to access the OSD menu. Select the "CHANNEL" function using the **(▲),(▼)** buttons, press "MENU" to enter the corresponding submenu. Select the "Auto SCAN" or "Manual scan" (see page 6.7 for details) using the **(▲),(▼)** buttons, and press "MENU" to confirm your choice. The association between the program and the channel can be modified subsequently (on the basis of one's needs) by selecting the "Edit" function from the "CHANNEL" menu and moving or renaming the various channels available. See the details on page 6.7 for operating instructions.

Selecting a different video source

Press "SOURCE" on the remote control.
Use (▲) or (▼) to select input. Press "MENU" to confirm.

NOTE: If the input selected is not enabled within few seconds, the message "NO SIGNAL" will appear on the screen.

Connecting an external VCR (Video recorder) device

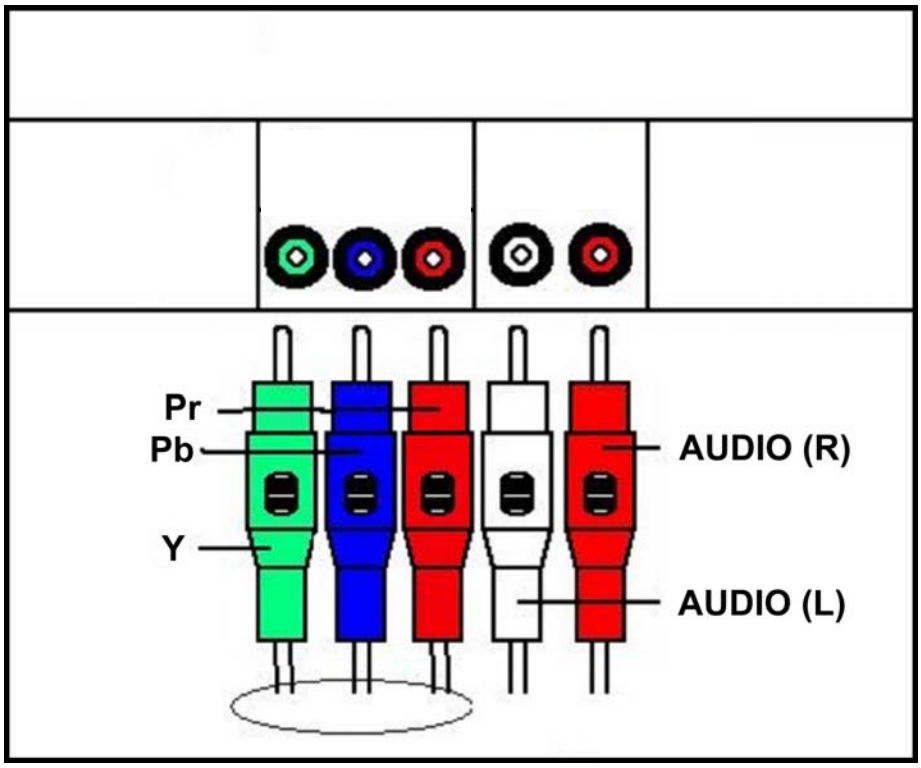
To connect display to an external device using Scart1 or Scart2 input , connect the SCART cable to the corresponding input port on product.

To avoid “picture interference”, make sure that an adequate distance is kept between the VCR and the monitor.

Avoid keeping fixed pictures on the screen for long periods. For example, a still picture (using the STILL function), a 4:3 picture or a logo that is always present in the same position.

Connecting a DVD

Connect the DVD video output to the COMPONENT 1 or COMPONENT 2 (Y, Pb, Pr) and the AUDIO input to as illustrated below.



COMPONENT input connectors

- A higher picture quality can be obtained using COMPONENT signal when available:

Component Video inputs of monitor	Y	Pb	Pr

Component Video outputs from DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	P_B	P_R

NOTE :

- Every Component input accepts both interlaced and progressive signals.

DVD source	TV input
480i/480p/576i/576p/720p/1080i	RCA DVD (tipo RCA,YPbPr)

Analog RGB video mode specifications (PC)

Mode	Resolution	Horizontal Frequancy (KHz)	Vertical Frequency (Hz)
DMT 0660	640 X 480	31	60
DMT 0672	640 X 480	38	72
DMT 0675	640 X 480	38	75
DMT 0685	640 X 480	43	85
DMT 0785H	720 X 400	38	85
DMT 0856	800 X 600	35	56
DMT 0860	800 X 600	38	60
DMT 0872	800 X 600	48	72
DMT 0875	800 X 600	47	75
DMT 0885	800 X 600	54	85
GTF 848x480	848 X 480*	30	60
DMT 1060	1024 X 768	48	60
DMT 1070	1024 X 768	56	70
DMT 1075	1024 X 768	60	75
DMT 1085	1024 X 768	69	85
DMT 1260G	1280 X 1024	63	60
GTF 1368x768	1368 X 768**	48	60

NOTE:

- Display could work with no standard RGB input , but in this case it is not guaranteed that image will be ok.

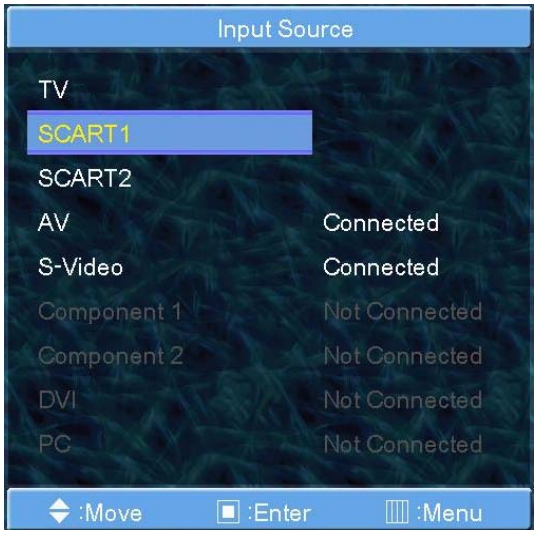
- Using high vertical frequency with bigger resolution than XGA may cause error in displaying signals.

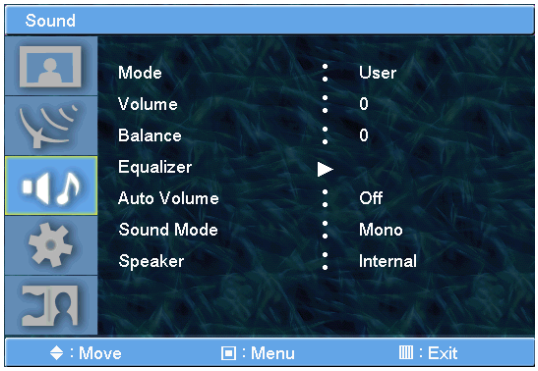
*:PD 42 TV native resolution. Available only in this model.
**: PD 50 TV native resolution. Available only in this model.

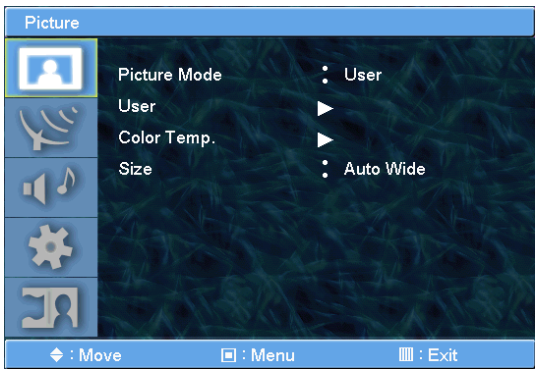
OSD LAYOUT

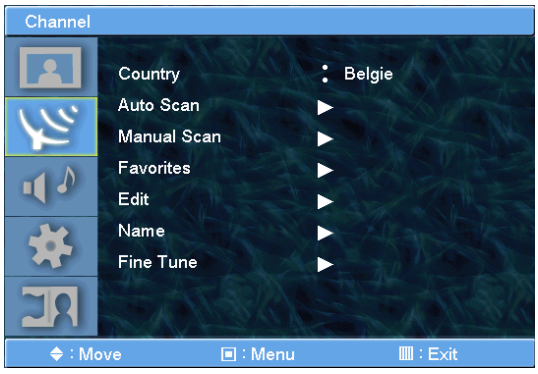
- The OSD (On Screen Display) enables the user to control or regulate the various functions by setting them in such a way as to satisfy his specific needs.
- Press the “MENU” button on the remote control to access the OSD menu.
- Use the (▲) **or** (▼) buttons to switch from one menu to another.
- Press “MENU” to enter the selected menu.
- Use the (▲) **or** (▼) buttons to select the desired item.
- Use the (►) o (◄) buttons to change the parameters
- “EXIT” button to exit from the submenu or the main menu.

Input selection menu



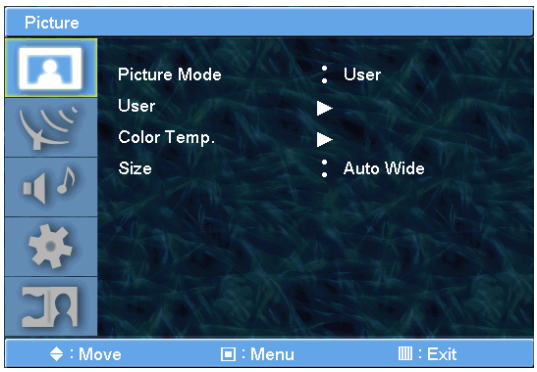






PICTURE (TV and VIDEO)

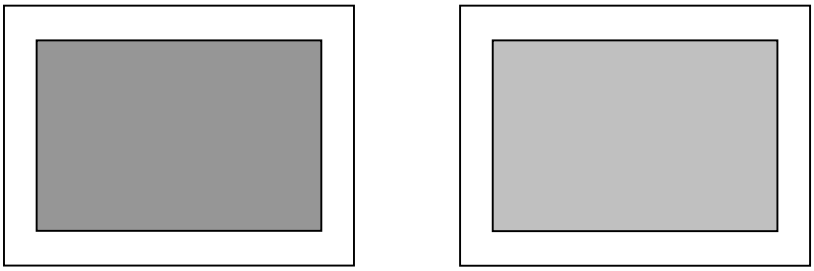
Options:Picture Mode (User,Dynamic, Standard, Movie, Mild) ;User ;Color Temp. Size



User Mode: Brightness, Contrast, Colour, Hue, Sharpness.

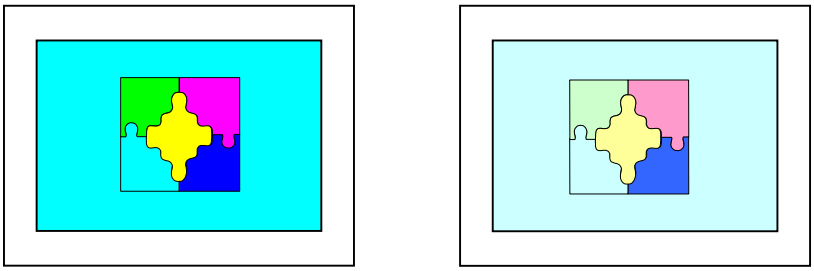
BRIGHTNESS
(User)
Controls the brightness of the picture.

Dark ◄ Light ►



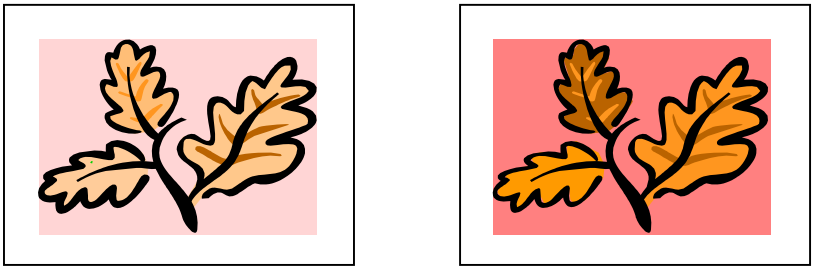
CONTRAST
(User)
Controls the contrast of the picture.

Distinct ◄ Vague ►



SATURATION
(User)
Controls the colour saturation of the picture.

Decreases ◄ Increases ►



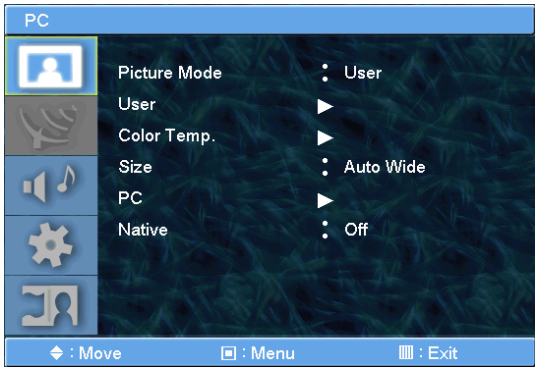
SHARPNESS
(User)
Controls the sharpness of the picture.

TEMPERATURE
Controls the colour temperature of the picture and may be set to :User,Cool1, Cool2, Normal, Warm1, Warm2.

SIZE
Choice from 7 different sizes: Auto Wide, 16:9, Panorama, Zoom1, Zoom2, 4:3, 14:9

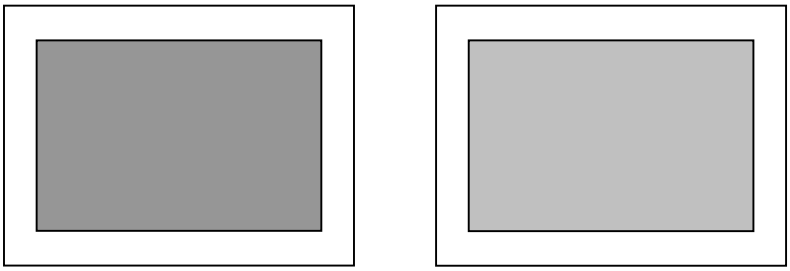
PICTURE (PC)

Options: Picture Mode(User, High, Middle, Low";User (Brightness, Contrast, Sharpness);Color Temp.(User,Cool1, Cool2, Normal, Warm1, Warm2); Size (4:3, 16:9, Native); PC (Auto Adjust, Phase, H-Position, V-Position, Frequency).



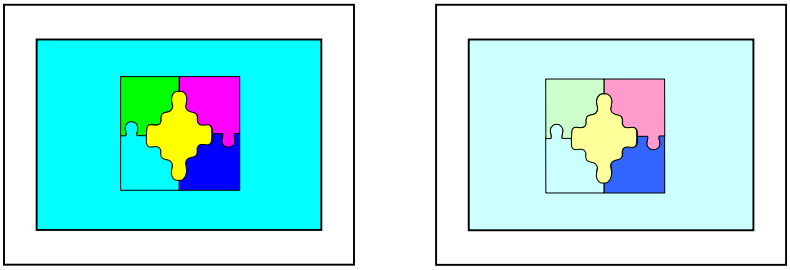
BRIGHTNESS (User)
Controls the brightness of the picture.

Dark ◄ Light ►



CONTRAST (User)
Controls the contrast of the picture.

Distinct ◄ Vague ►



TEMPERATURE

Controls the colour temperature of the picture and may be set User,Cool1, Cool2, Normal, Warm1, Warm2.On User colour temperature it is also possible to modify the basic white temperature colour by singular setting Red, Green or Blue based on our own specific requirements.*

PC (Geometry adjustements)

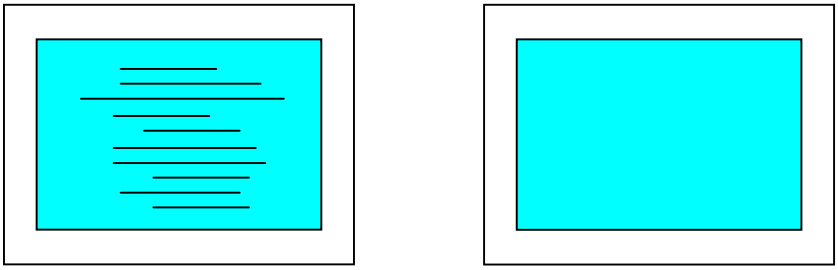
Press Set to access the geometry regulations as follows:

AUTO-ADJUST
Automatically regulates the position of the picture.

Wrong Right

PHASE

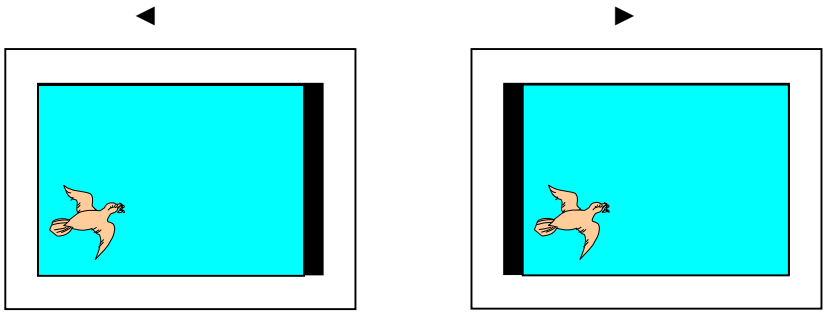
Fine regulation of details shown on the screen. Only available when in PC/HD mode.



*Only for experts users.

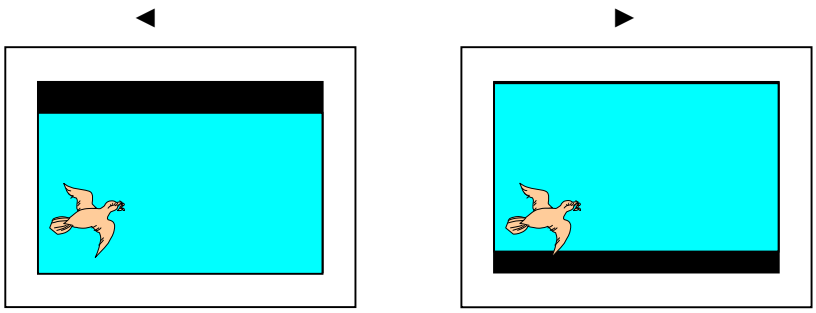
HORIZONTAL POSITION

Moves the picture displayed horizontally. Having selected the menu, shift the picture using the (►/**VOL+**) or (◄/**VOL-**) buttons.



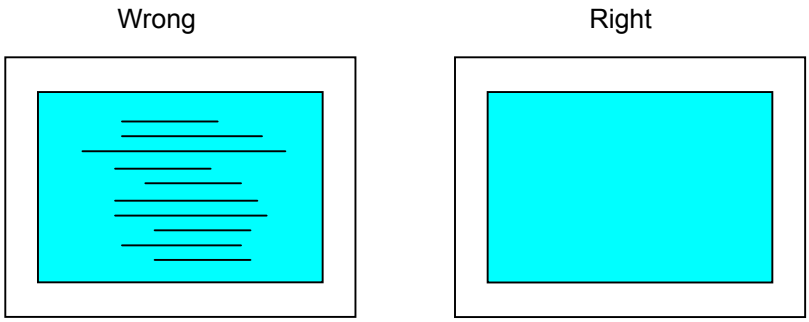
VERTICAL POSITION

Moves the picture displayed vertically. Having selected the menu, shift the picture using the (►/**VOL+**) or (◄/**VOL-**) buttons.



Frequency

Adjust frequency to obtain correct visualization.Available only in PC/HD mode.*



SIZE

3 available options: 4/3,16:9,Nativo
4:3: For 4:3 PC resolutions. (ex.:800x600,1024x768 etc..)
16:9: Foe 16/9 or wide PC resolutions. (ex.:848x480,1280x720 etc..)
Native: For PC native resolutions. (848x480 for PD 42;1366x768 for PD 50)

NATIVE

Available options:ON/OFF: Enable recognizing mode for native resolutions.

*:Only for experts users.

NATIVE

NATIVE mode must be activated when using PC-RGB input inorder to let the monitor discriminate between real NATIVE mode and similar timings

PC Input (analog RGB DSUB15)

Start PC with monitor connected through the analog cable (PC-RGB)
From Windows Control Panel select:
- Screen Properties
- Settings
- Set the screen resolution at the native screen resolution (crf 5.3)
Using SOURCE key on the remote control select PC input
Press MENU key to activate main MENU
1. Select NATIVE=ON
2. Select SIZE = NATIVE
3. SELECT: PC
4.activate SELFADJUSTMENT using right-arrow key
The PCmode willbe acquired and displayed in the best way

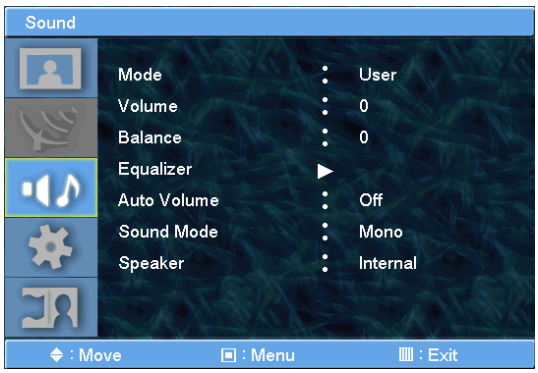
NOTE: apply the same procedure EVERY time the native mode is switched ON/OFF

DVI input
Start PC with monitor connected through the digital cable (DVI-D)
From Windows Control Panel select:
- Screen Properties
- Settings
- Set the screen resolution at the native screen resolution (crf 5.3)

Using SOURCE key on the remote control select PC input
Press MENU key to activate main MENU
1. Select NATIVE=ON

SOUND

Options:Mode; Volume (User, Standard, Music, Movie, Speech); Balance; Equalizer ; Auto Volume; Sound Mode (Mono, Stereo, Dual1, Dual2; Speakers (Internal, External)



MODE

Available options using (▲/PRG+) o (▼/PRG-) buttons: User, Standard, Music, Movie, Speech.

VOLUME

Controls the volume of sound. Adjust from 0 to 100.

BALANCE

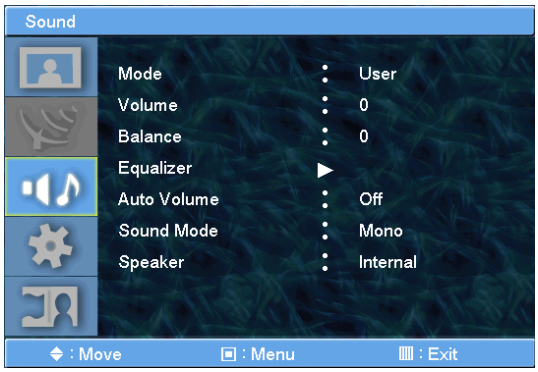
Controls the balance between the left and right channels.

EQUALIZER

Only available in USER sound mode, regulates the gain of the various audio frequencies.

Auto Volume

Automatic volume control.Adjust volume to avoid volume peaks caused from audio input signals. Available options are Off and On.

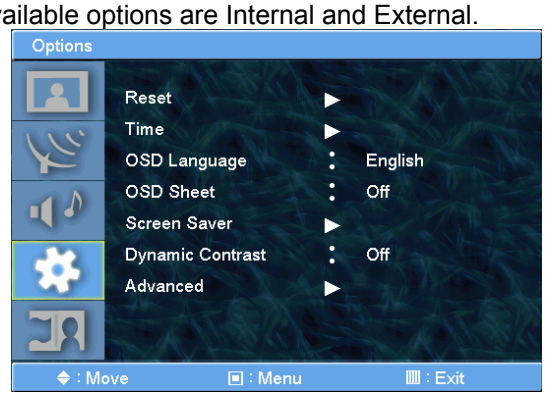


SOUND MODE

Selection of available audio channel
Stereo: Forced Stereo
Dual1: Language 1
Dual2: Language 2

SPEAKERS

Enables external power output for external speakers. Available options are Internal and External.



OPTIONS

Available opt.:Reset, Time,Language,OSD Sheet,Screen Saver, Dynamic Contrast, Advanced.

RESET

Restores all values to their factory settings.
Warning! All stored TV channels will be erased. It will be necessary to restart Channel-search.

TIME

Possibility to select Power-on and Power-Off Time
It's possibile to select TV program and Volume Value.
Feature available only if Clock is adjusted to the right time.

WARNING!:
This Flat TV has an internal clock.It sets automatically time from Teletext of selected TV channel.(Display must be in TV mode). If Teletext is not available from selected input signal it's possible to adjust manually time from OPTIONS menu.
To check the time press TIME on the remote control.

OSD LANGUAGE

Select available languages from: English, French,German, Italian, Spanish, Portuguese, Dutch, Arab.

OSD SHEET

Selects the background of the OSD menu. You can select "Off" or "On".
"Off" sets the OSD background as solid colour. "On" makes the OSD background half transparent, basically, the transparency of the background colour of the OSD window changes

SCREEN SAVER

It's possible to select different screensaver modes to avoid display damage:

Blue screen: Activate blue background when there are not input signal on selected source.*

Pixelshift: It move active area at predefined intervals.

Wiper: It generate a vertical moving bar that slides through screen every 10 minutes.
(special applications)

BackGray: Activable gray background with 7 different levels for 4/3,16/9 and native size modes.

DYNAMIC CONTRAST
(Active only for inputs: TV,S-Video,SCART1,SCART2,AV,Component 1/Component2**)**
Activate automatic contrast control to obtain a better image. Designed for TV input and evry other input with motion images.

ADVANCED
Display the software version installed. NOTE: You may need to provide this information when requesting Technical Support. **The model and the serial number of the device are in the label of guarantee supplied with the product.**

*Not for screen saving, just for good-looking (not available on PC and DVI input).
** Only for interlaced signals 15KHz.

CHANNEL SEARCH

Available options:Country, Automatic Scan, Manual Scan, Favorites,Edit, Name, Fine Tune.

COUNTRY

Select Country where Display is installed.TV automatically will set a preset-channel configuration based on selected country.

AUTOMATIC SCAN

For automatic search of all available channels.
Select Start and press MENU to start search.

MANUAL SCAN

For channel manual search.

There are 2 available modes(frequency scan or channel selecting)

1. Select program where you want to store channel.
2. Select Color System of your Country.(PAL Europe,SECAM France)

Select Audio System of your Country.Available selection from"B/G","D/K","I" for (Great Britain, Northern Ireland and South Africa, Australia, Europe, and Middle Eas); "L " for (Eastern Europe, Soviet Republics, France, Central Africa) .

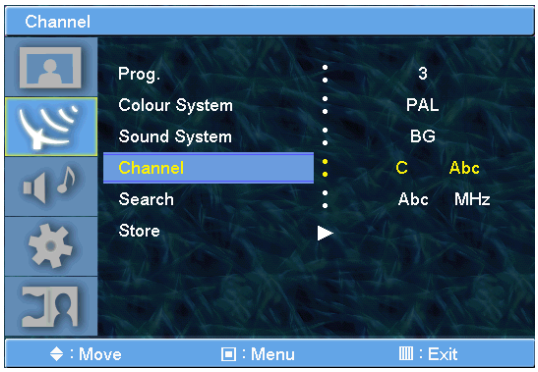
3. Channel search

Move cursor to "Channel" and press MENU.
First select channel mode (C or S) with ▼ / ▲ buttons ,press ▶to move cursor to channel number.
Select channel with PRG-/PRG+ or numeric keyboard.

4. Frequency search

Move cursor to "Search" and press MENU .Press ▼button to start search towards lower frequencies or ▲ towards higher frequencies.
When right channel is selected move cursor on "Store" and press MENU.
Select "Yes" and press MENU to confirm . Channel will be stored on selected Program.

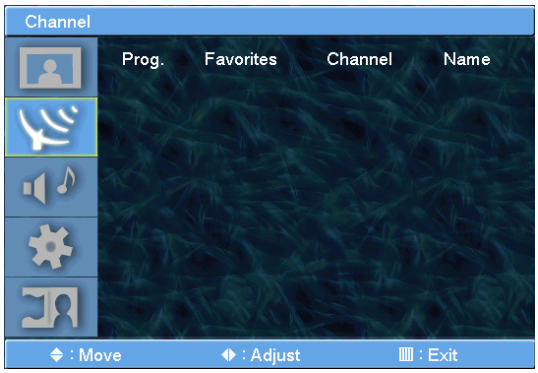
Channel search



Frequency search

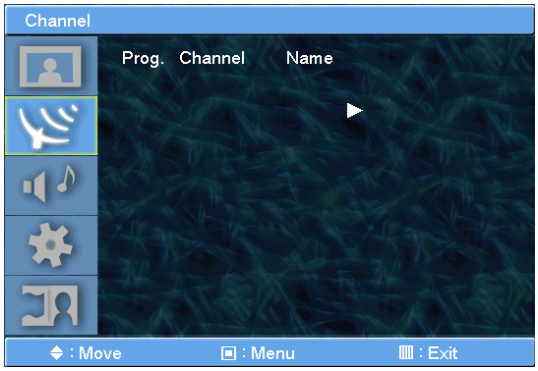
FAVORITES

Use “Favorites” option to enable automatic skip function when you ch’ange program by pressing ▼ / ▲ buttons.
1.Select Program with ▼ / ▲ buttons.
2.Press ▶ / ◀ to change program status from “Active” to “Skip”
3.Press store new program status.



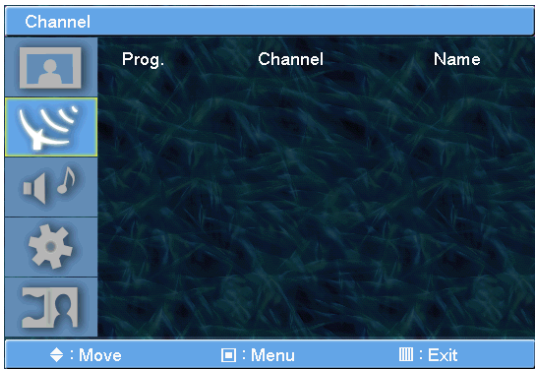
EDIT

Allow you to modify Program’s order.
1.Select program with ▼ / ▲ buttons.
2.Press MENU to edit program’s position.
3.Press ▼ / ▲ buttons to move channel on desired program.
4.Press “EXIT” to store position.



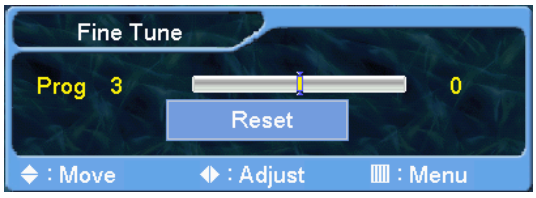
NAME

Allow you to modify program’s names.
1.Select desired program with ▼ / ▲ buttons.
2.Press MENU to select program you want to rename.
3.Press ▶ / ◀ buttons to move to desired position and ▼ / ▲ to change letters.
4.Press EXIT to store new name.



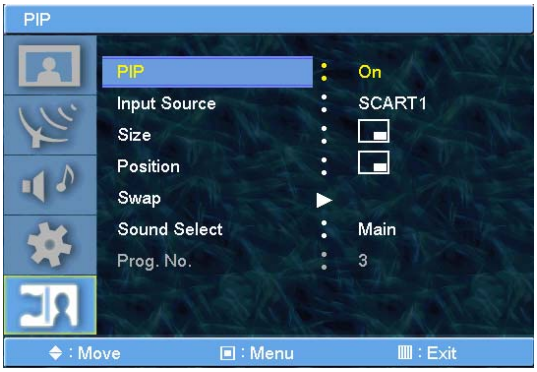
FINE TUNE

Allow you to ad just fine tuning of selected program.
1.Press ▶ / ◀ to adjust fine tuning of selected program.
2.Press EXIT to store tuning.
3.If you want to return to initial value of fine tuning “0” select “RESET” and press MENU.



PIP

PIP mode allow you to display two sources at the same time. It's possibile to activate/deactivate and chamge PIP mode with remote control by pressing PIP button.

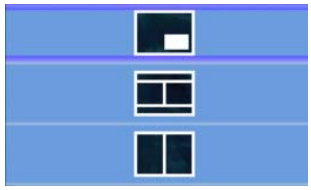


PIP MENU

PIP SOURCE

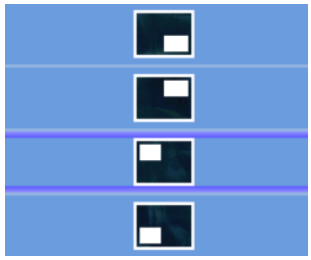
Select input signal to display in PIP window.
Press MENU to display available sources.
WARNING! PIP allow you to display two input signals between Video sources(TV,SCART,AV,Interlaced Component) and HD sorces (PC,DVI,Progressive Component).

PIP SIZE



It's possibile to select between three different PIP modes.:
1.PIP Window. Window with ¼ dimensions of screen.
2.POP (Picture on Picture).Dual screen function,Two sources with half screen area for for everyone.
3.POP ScreenSaver. Like POP with active areas which cover entire screen to avoid image sticking.

PIP POSITION*



Allow you to choose from 4 different positions of PIP window.

SWAP

Allow you to change sources position on PIP layout, from.
It's possible to activate this option with PREPG button of remote control.

AUDIO SOURCE*

Allow you to swap audio source between displayed inputs.
You can choose "MAIN" to select main source and "SUB" for secondary source.

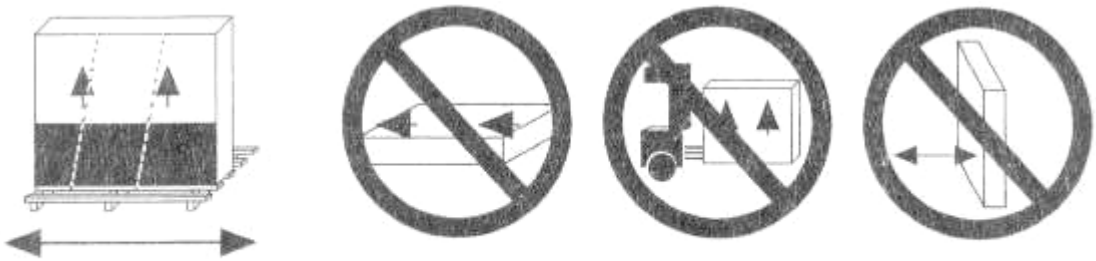
*Option available only with PIP in active mode.

Maintenance

The display does not require any particular maintenance.
Periodically, if the installation environment is dusty or smoky, the front crystal should be cleaned using normal detergents for cleaning glass. Avoid using solvents or substances that could corrode the crystal and the stand. Particular care should also be taken when cleaning the crystal not to apply excessive pressure to it. Use soft cloths only.
If dust penetrates between the crystal and the light-emitting panel in a quantity that interferes with viewing, send the monitor to an Authorized Service Centre.

Transport

Due to the fragility of the light-emitting panel it contains, the device, which is made entirely of glass, a fundamental characteristic of this specific technology, must be effectively protected against knocks during transport.
It is important to use its complete, original package and always transport it in a vertical position, orienting it with its long side in the direction of motion using pallets for all the transporting, loading and unloading operations. The package must be firmly fixed to the pedestal using special straps.



Transport direction

If these precautions are not adopted, an accidental shock may cause breakage of the light-emitting panel, making the device unusable.

WARNING

The manufacturers decline all liability for damage to the monitor caused by failure to respect the rules and provisions laid down.

42” PLASMA TV

FEATURES

- **Industrial design, with front “glass filter”.**
- **PAL video standard (BG/H/ I, 60) , NTSC (M,4.43) , SECAM**
- **Input resolution (for PC) up to SXGA (1280*1024)**
- **PIP (Picture-in-Picture)**
- **Regulation of PIP window position**
- **Selection of picture aspect ratio (4:3 and 16:9 compatibility)**

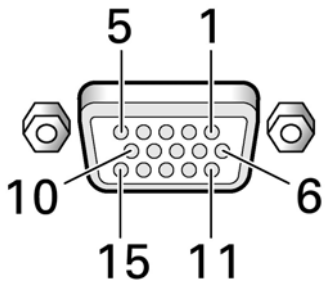
TECHNICAL SPECIFICATIONS

	Product name:	PD 42 TV	PD 50 TV
Display panel	Screen size:	42" (106cm) diagonal	50" (127cm) diagonal
	Aspect Ratio:	16:9	16:9
	Resolution:	852 (H) x 480 (V) pixels	1366 (H) x 768 (V) pixels
	Brightness:	1200 cd/m2	1000 cd/m2
	Contrast ratio:	4000:1	3000:1
	View angle:	H:160°, V:160°	H:160°, V:160°
	Colors:	8,589.9 Mil	8,589.9 Mil
Connections	Video:	Video [CVBS]	Video [CVBS]
		S-Video [Y/C]	S-Video [Y/C]
		SCART1 [CVBS, RGB], SCART2 [CVBS]	SCART1 [CVBS, RGB], SCART2 [CVBS]
		Component [Y,Pb,Pr]	Component [Y,Pb,Pr]
	PC:	Analog RGB [PC]	Analog RGB [PC]
		Digital RGB [DVI-D]	Digital RGB [DVI-D]
	Tuner:	Antenna [75 Ohm - VHF/UHF]	Antenna [75 Ohm – VHF/UHF]
	Audio:	Video / S-Video / Componet stereo input	Video / S-Video / Componet stereo input
		PC / dvi stereo input	PC / dvi stereo input
		Line stereo output	Line stereo output
		Power stereo output, speakers [cinch]	Power stereo output, speakers [cinch]
	Control:	RS232	RS232

Features	**Video:**	PAL (BGH/D/I,M,N, 60), NTSC (M, 4.43), SECAM	PAL (BGH/D/I,M,N, 60), NTSC (M, 4.43), SECAM
	PC:	VGA ~ SXGA (1280x1024)	VGA ~ SXGA (1280x1024)
		NATIVE (848x480)	NATIVE (1368x768)
	DTV:	480i/p,576i/p,720p, 1080i @ 50/60 Hz	480i/p,576i/p,720p, 1080i @ 50/60 Hz
	Tuner:	Standard: PAL BG/I/DK, SECAM L/L'	Standard: PAL BG/I/DK, SECAM L/L'
		Tuning system: Electronic with PLL	Tuning system: Electronic with PLL
		Teletext: BESIC1.5/TOP/FAST	Teletext: BESIC1.5/TOP/FAST
	Audio:	Power audio output: 2 x 7W	Power audio output: 2 x 7W
	Speakers:	Built-in stereo speakers	Built-in stereo speakers
Controls	**Video:**	Brightness, Contrast, Color, Sahrpness	Brightness, Contrast, Color, Sharpness
		Dynamic contrast	Dynamic contrast
		Colour temperature (5 selections)	Colour temperature (5 selections)
		Size (16:9, 14:9, 4:3, Panorama, Zoom, Auto) PIP / POP/ Split Screen	Size (16:9, 14:9, 4:3, Panorama, Zoom, Auto) PIP / POP/ Split Screen
		Still	Still
	TV:	Auto scan / Auto station name	Auto scan / Auto station name
		Search/fine tune	Search/fine tune
		Edit program	Edit program
	Audio:	Volume, Balance	Volume, Balance
		Equalizer (5 selection)	Equalizer (5 selection)
		Internal/External speaker selection	Internal/External speaker selection
		Stereo/mono/dual sound/NICAM	Stereo/mono/dual sound/NICAM
		AutomaticVolumeControl	AutomaticVolumeControl
	Others:	Stand-by mode	Stand-by mode
		Timer (wake-up, sleep)	Timer (wake-up, sleep
		Screen saver (orbital, wiper, blue gray)	Screen saver (orbital, wiper, blue gray)
		Programmable OSD	Programmable OSD
	OSD Language:	D, E, F, GB, I, NL, P, SA	D, E, F, GB, I, NL, P, SA
Physical	**Dimensions:**	1034 (W) x 634 (H) x 92 (D)	1225 (W) x 740 (H) x 83 (D)
		1044 (W) x 645 (H) x 99 (D) (Glass ver.)	1245 (W) x 760 (H) x 105 (D) (Glass ver.)
	Weight:	35/41 Kg (TV/Glass TV)	53/68 Kg (TV/Glass TV)
	Mains voltage:	115/230 VAC ± 15%, 50/60 Hz	115/230 VAC ± 15%, 50/60 Hz
	Power consumption:	290 W	500 W
Accessories		Power cable	Power cable
		Remote control with batteries	Remote control with batteries
		User manual	User manual

CONNECTORS

HD VGA/RGB D15 CONNECTOR

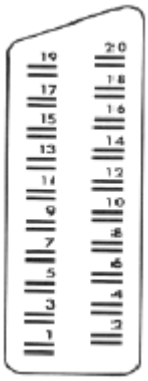


1	Red
2	Green
3	Blue
4	N.C.
5	Ground
6	Ground
7	Ground
8	Ground
9	N.C.
10	Ground
11	Ground
12	Ground
13	Horizontal synchronization
14	Vertical synchronization
15	N.C.

S-VHS CONNECTOR

1	Ground
2	Ground
3	Chrominance C input
4	Luminance Y input

SCART EUROCONNECTOR



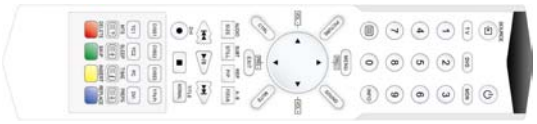
1	Right channel audio output	0.5 Vrms Impedance ≤1KΩ
2	Right channel audio input	0.5 Vrms Impedance ≥10KΩ
3	Left channel audio output	0.5 Vrms Impedance ≤1KΩ
4	Audio ground	
5	Input B ground	
6	Left channel audio input	0.5 Vrms Impedance ≥10KΩ
7	Input B	0.7Vpp/75Ω
8	Slow input	0÷2V logic 0; 9,5÷12V logic 1
9	Ground Input G	
10	N.C.	
11	Input G	0.7Vpp/75Ω
12	N.C.	
13	Ground input R	
14	Ground	
15	Input R	0.7Vpp/75Ω
16	Fast blanking	0÷0,4V logic 0 ; 1÷3V logic 1
17	Ground	
18	Ground	
19	CVBS output	1Vpp/75Ω (including synch.)
20	CVBS input	1Vpp/75Ω (including synch.)
21	Screen	

TROUBLESHOOTING

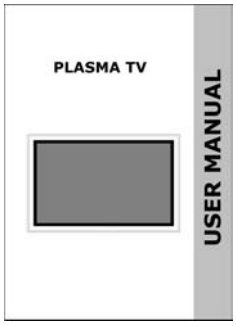
Problem	Item to check
No picture on screen and no sound from speakers.	• Insert the AC power cord plug securely in AC power outlet. (see sec.3.2) • Make sure main switch is in on. (see sec.5) • Make sure the TV is not in STAND-BY (Red Led). Turn on TV using “power” button from remote control or “M” from local keyboard. (see sec.5)
No picture	• Make sure selected input is connected to the source. • Select required input by pressing “Source” button from remote control or “M” from local keyboard.(see sec.5)
Picture is displayed , but no sound from speakers.	• Make sure source audio cable are connected to the right audio input. (see sec.3.3) • Make sure right audio output is selected.(see sec.6.4)
TV doesn’t respond to the remote control.	• Aim the remote control directly to IR sensor of TV. • Remove any obstacles between TV and remote control. • Check remote control batteries. • Press TV button on remote control.
Bad reception on TV channels.	• Make sure antenna cable is correctly connected. • Check ground connection on antenna cable. • Make sure TV doesn’t receive interference from other devices (ex.: microwave oven) • Ad just fine tuning (see sec.6.8)
TV doesn’t correctly tune channels.	• Make sure Color system on “Channel“ menu is right. (see sec.6.7)
No sound on TV mode with some channels.	• Make sure Color system on “Channel“ menu is right. (see sec.6.7, for ex.:BG)

INCLUDED ACCESSORIES

REMOTE CONTROL

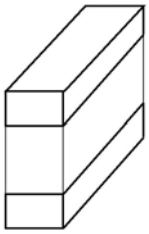


USER MANUAL



POWER CABLE

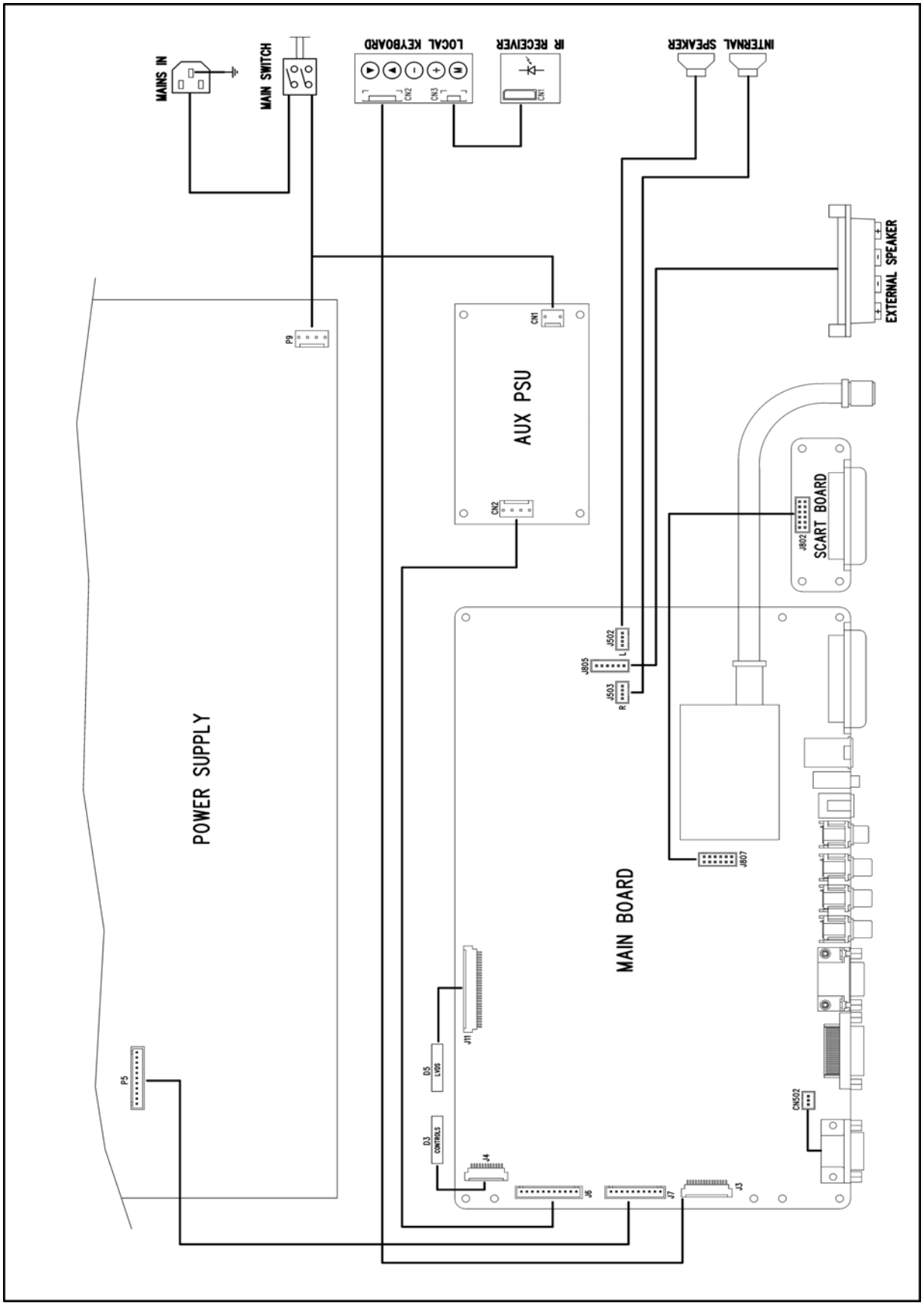
PACKAGE



BATTERIES SIZE AAA

OPZIONAL ACCESSORIES
(the instructions of assembly are supplied attached to the accessory)

- Feet for table
- Base for table
- fixed support to wall
- balancing support
- suspension support


MAINS IN
MAIN SWITCH
LOCAL KEYBOARD
IR RECEIVER
INTERNAL SPEAKER
EXTERNAL SPEAKER
AUX PSU
SCART BOARD
POWER SUPPLY
MAIN BOARD
P9
CN1
CN2
CN3
J502
J805
J503
J802
J807
J11
J4
J6
J7
J3
P5
D5
LVDS
D3
CONTROLS
CN502